

| A-LEAD-FREE COPPER ALLOY AND A METHOD OF MANUFACTURE

ABSTRACT OF THE DISCLOSURE

| A lead-free copper alloy ~~on the base of~~ based on Cu-Zn-Sn and a method of manufacture. The copper alloy is built on the ~~base~~ basis of copper, zinc and tin without toxic additives and consists of: 60 to 70% Cu, 0.5 to 3.5% Sn and the further matrix-active elements: 0.01 to 0.5% Fe and/or Co, 0.01 to 0.5% Ni, 0.01 to 0.5% Mn and/or Si, the remainder being Zn and unavoidable impurities. Selectively up to 3% Mg, up to 0.2% P and up to 0.5% Ag, Al, As, Sb, Ti, Zr can be added. The demands for a health-conscious and ecological compatibility are thus naturally met.